

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL051722\
 Data File : VL039071.D
 Acq On : 17 May 2022 16:22
 Operator : SY/AP
 Sample : 0.4 MDL
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 0.4 MDL

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 05/18/2022
 Supervised By : Mahesh Dadoda 05/20/2022

Quant Time: May 18 01:49:27 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL050522AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu May 18 01:49:27 2022
 QLast Update : Thu May 05 10:12:15 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	5.681	49	778952	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	7.189	114	2023829	10.000	ppbv	0.02
55) Chlorobenzene-d5	12.098	117	1741082	10.000	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.426	95	1457836	10.573	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.700%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.063	85	67075	0.550	ppbv	90
3) Chlorodifluoromethane	3.002	51	53804	0.557	ppbv	98
4) Chloromethane	3.147	50	28047m	0.579	ppbv	
5) Vinyl Chloride	3.272	62	22712	0.514	ppbv	100
6) Bromomethane	3.491	94	13347m	0.639	ppbv	
7) Chloroethane	3.575	64	9574m	0.647	ppbv	
8) Dichlorotetrafluoroethane	3.198	85	60523	0.547	ppbv	94
9) Propene	3.022	41	25321m	0.600	ppbv	
10) Heptane	8.137	43	46477m	0.449	ppbv	
11) Trichlorofluoromethane	3.960	101	61470m	0.587	ppbv	
12) 1,1,2-Trichlorotrifluo...	4.497	101	41705	0.578	ppbv	93
13) Ethanol	3.629	45	2420m	0.810	ppbv	
14) Bromoethene	3.755	108	16171	0.544	ppbv #	92
15) Acetone	3.880	43	41195	0.561	ppbv #	80
16) 1,3-Butadiene	3.340	39	20856	0.494	ppbv	87
17) tert-Butyl alcohol	4.321	59	33872m	0.600	ppbv	
18) 1,1-Dichloroethene	4.301	96	16736	0.539	ppbv #	86
19) Isopropyl Alcohol	3.999	45	22997m	0.658	ppbv	
20) Methylene Chloride	4.362	84	18131m	0.655	ppbv	
21) Allyl Chloride	4.430	41	27295m	0.545	ppbv	
22) trans-1,2-Dichloroethene	4.899	96	19153m	0.571	ppbv	
23) Vinyl Acetate	5.089	43	32344m	0.556	ppbv	
24) 1,1-Dichloroethane	5.025	63	34387	0.514	ppbv #	96
25) Ethyl Acetate	5.703	43	79138	0.450	ppbv #	94
26) Hexane	5.700	57	35227	0.451	ppbv	89
27) Carbon Disulfide	4.571	76	33647m	0.453	ppbv	
28) Methyl tert-Butyl Ether	5.057	73	34203m	0.575	ppbv	
29) Chloroform	5.764	83	71205	0.563	ppbv	95
30) Cyclohexane	7.147	84	33172m	0.507	ppbv	
31) cis-1,2-Dichloroethene	5.568	61	39285m	0.493	ppbv	
32) 1,1,1-Trichloroethane	6.533	97	61274m	0.485	ppbv	
34) 2-Butanone	5.272	43	51488	0.499	ppbv	93
35) Carbon Tetrachloride	7.031	117	54681	0.410	ppbv	99
36) Benzene	6.906	78	74044	0.428	ppbv	99
37) 1,2-Dichloroethane	6.320	62	51095	0.477	ppbv	99
38) Trichloroethene	7.848	130	32069	0.417	ppbv	92
39) 1,2-Dichloropropane	7.626	63	29286m	0.435	ppbv	
40) 1,4-Dioxane	7.873	88	11604m	0.479	ppbv	
41) Tetrahydrofuran	6.092	42	28233m	0.407	ppbv	
42) Bromodichloromethane	7.803	83	57814	0.395	ppbv #	89
43) Methyl Methacrylate	8.037	69	24605	0.350	ppbv	84
44) 2,2,4-Trimethylpentane	7.883	57	134588	0.443	ppbv	96
45) t-1,3-Dichloropropene	9.301	75	19646m	0.289	ppbv	

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL051722\
 Data File : VL039071.D
 Acq On : 17 May 2022 16:22
 Operator : SY/AP
 Sample : 0.4 MDL
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 0.4 MDL

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 05/18/2022
 Supervised By :Mahesh Dadoda 05/20/2022

Quant Time: May 18 01:49:27 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL050522AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu May 05 10:12:15 2022

QLast Update : Thu May 05 10:12:15 2022

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.722	75	26954	0.299	ppbv	92
47) 1,1,2-Trichloroethane	9.488	97	29035	0.414	ppbv	91
48) Dibromochloromethane	10.320	129	39809m	0.349	ppbv	
49) Bromoform	13.057	173	27604m	0.317	ppbv	
50) 4-Methyl-2-Pentanone	8.783	43	74751m	0.413	ppbv	
51) 2-Hexanone	10.169	43	51182m	0.387	ppbv	
52) Tetrachloroethene	11.240	164	26580m	0.429	ppbv	
53) Toluene	9.825	91	79109m	0.408	ppbv	
54) 1,2-Dibromoethane	10.619	107	40333m	0.423	ppbv	
56) 1,1,1,2-Tetrachloroethane	12.137	131	35115m	0.460	ppbv	
57) Chlorobenzene	12.159	112	62643	0.480	ppbv #	81
58) Ethyl Benzene	12.719	91	107760m	0.430	ppbv	
59) m/p-Xylene	13.012	91	191248m	0.894	ppbv	
60) o-Xylene	13.706	91	95810m	0.476	ppbv	
61) Styrene	13.536	104	40253m	0.375	ppbv	
62) Isopropylbenzene	14.683	105	133462m	0.453	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.687	83	53571	0.452	ppbv	99
64) n-propylbenzene	15.577	120	31635m	0.444	ppbv	
65) tert-Butylbenzene	16.754	119	115753m	0.449	ppbv	
66) Benzyl Chloride	17.002	91	10892m	0.323	ppbv	
67) sec-Butylbenzene	17.304	105	152043	0.413	ppbv	100
69) p-Isopropyltoluene	17.661	119	122595m	0.412	ppbv	
70) n-Butylbenzene	18.564	91	126936	0.401	ppbv	99
71) 2-Chlorotoluene	15.465	91	102158	0.450	ppbv	98
72) 4-Ethyltoluene	15.851	105	103259m	0.450	ppbv	
73) 1,3,5-Trimethylbenzene	16.005	105	86241	0.418	ppbv	98
74) 1,2,4-Trimethylbenzene	16.773	105	89509	0.396	ppbv	96
75) 1,3-Dichlorobenzene	17.008	146	58122m	0.469	ppbv	
76) 1,4-Dichlorobenzene	17.150	146	51883m	0.426	ppbv	
77) 1,2-Dichlorobenzene	17.825	146	47546	0.388	ppbv	85
78) Hexachloro-1,3-Butadiene	23.381	225	55745m	0.495	ppbv	
79) Naphthalene	22.214	128	62943m	0.343	ppbv	
80) Naphthalene,2-methyl-	24.982	142	11899m	0.214	ppbv	
81) 1,2,4-Trichlorobenzene	21.937	180	41880m	0.389	ppbv	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

```
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL051722\  
Data File : VL039071.D  
Acq On    : 17 May 2022  16:22  
Operator  : SY/AP  
Sample    : 0.4 MDL  
Misc      : 400mL/MSVOA_L  
ALS Vial  : 1      Sample Multiplier: 1
```

Instrument :
MSVOA_L
ClientSampleId :
0.4 MDL

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 05/18/2022
Supervised By :Mahesh Dadoda 05/20/2022

Quant Time: May 18 01:49:27 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL050522AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu May
QLast Update : Thu May 05 10:12:15 2022
Response via : Initial Calibration

